

ABSTRACT

A physiologic control method and system for an implantable blood pump includes operating the pump at a predetermined speed and monitoring the patient's diastolic pump flow rate. The predetermined speed is varied in response to the diastolic pump flow rate. The pump speed may further be adjusted in response to the patient's heart rate. The speed may be increased and decreased in response to corresponding changes in the diastolic pump flow rate, and increased in response to an increase in heart rate.